

**MINUTES OF THE
INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE MEETING**
Zoom Teleconference
February 16, 2022
2:00pm

VOTING MEMBERS PRESENT

Dr. Ami Ruffing
Dr. Ed Heist
Dr. Francisco Agustin Jimenez-Ruiz
Dr. James Lovvorn
Dr. Jennifer Harris
Dr. Karen Jones, Chair
Dr. Lydia Arbogast
Ms. Amanda Ingram
Ms. Debbie Simpson
Ms. Liz Gersbacher
Dr. Erin Perry

VISITORS

CALL TO ORDER AND OPENING REMARKS

The meeting was called to order at 2:01 pm and Dr. Jones welcomed everyone to the meeting.

REPORT OF ANIMAL ILLNESSES/ISSUES – DR. HARRIS

Dr. Harris provided an overview select items from her animal illness/issues report and stated the full report was available to the committee on D2L, should they want to review it.

APPROVAL OF MINUTES OF THE MEETING OF JANUARY 19, 2022

Dr. Jones noted a few spelling and grammatical errors in the minutes from January. Dr. Heist moved that the minutes be approved with those few corrections; Ms. Gersbacher seconded the motion.

Total Voting = 11 Vote: For = 11 Opposed = 0 Abstained = 0

REVIEW OF PROTOCOLS AND AMENDMENTS BY FULL COMMITTEE

Warne 22-003, *Ecoimmunology of Snakes Pre- and Post-Brumation*

Discussion

Dr. Warne joined the meeting to answer questions from the committee. He stated that snake fungal disease may be a new emerging disease, but he considers it as endemic, since he has seen references to the disease back to the 1930s. The study will investigate the interactions between snake microbiomes and immunity to snake fungal disease.

Dr. Arbogast noted that although MS222 is pharmaceutical grade, it must be buffered and diluted prior to use, so it becomes non-pharmaceutical, and the table in Part H should reflect that. Part N(2) for euthanasia should be marked “physical method (decapitation) preceded by anesthesia (MS222) for some snakes, while others will fall under Part N(3), chemical method (MS222 only). Dr. Jones noted one reference to three possible collection events, while elsewhere in the protocol, two collections cited; the correct number is three collections. The reference in Part F to manually palpating the snakes to determine the presence of follicles or embryos should be removed, since it is not justified in Part D. The sampling location of Wildcat Bluffs should be cited in part F. The blood assay testing and results should be summarized. Although Dr. Warne attached the collecting permit application, the permit itself must be received before the activities can begin. Part F should include a description of the drift fence, noting that it does not contain any trap and that it will be immediately removed before the researchers leave the area.

The SOP attached to the protocol should be corrected to read initially that there will always be two people present when handling snakes (not just when handling venomous snakes).

Warne 22-004, *Determining the Prevalence and Causative Agent of Turtle Shell Disease in Southern Illinois*

Discussion

The committee next discussed Dr. Warne’s second protocol application in his presence so he could answer questions. The committee suggested that this protocol be changed from a research protocol to a teaching protocol for undergraduate students. Jason Dallas’ name should appear in Part A(5)(b). For DNA sampling, it was suggested that bleach not be used to clean the instruments between animals, since it won’t necessarily clear DNA. The vendor and model of the hoop traps should be listed. It may not be possible to use scute markings for 500 different turtles using only a file.

Warne 22-008, *The Role of Symbiotic Microbiota for Resisting Disease and Influencing Host Development and Physiological Function in Amphibians*

Discussion

The committee next discussed Dr. Warne’s third protocol application in his presence so he could answer questions. This application is a renewal of his previously approved protocol 18-052. The committee had no questions or comments for this protocol.

Following Dr. Warne’s exit from the meeting, the committee made the following decisions:

Protocol 22-003 Snake Brumation Dr. Jimenez moved that the protocol be amended to respond to the committee’s discussion above, and subsequently sent to designated member review. Dr. Arbogast seconded the motion.

Total Voting = 11 Vote: For = 11 Opposed = 0 Abstained = 0

Protocol 22-004, Turtle Shell Disease Dr. Ruffing moved that the protocol be amended to respond to the committee's discussion above, and subsequently sent to designated member review. Dr. Lovvorn seconded the motion.

Total Voting = 11 Vote: For = 11 Opposed = 0 Abstained = 0

Protocol 22-008 Ranavirus in Amphibians Dr. Arbogast moved that the protocol be approved. Dr. Perry seconded the motion.

Total Voting = 11 Vote: For = 11 Opposed = 0 Abstained = 0

Sasidharannair 22-002 *ANS 123 Livestock Production: Beef*

Discussion

Dr. Jones said that the purpose of the class was for students who had very little, or no, experience working with cattle to shadow and/or help normal beef caretakers with normal beef husbandry as expressed in the approved SOP for beef, and this information should be included in the application. The class syllabus which was included had very little information regarding activities with animals, and the training of the students is unclear. Dr. Jones expressed that she had discussed this with Dr. Sasidharannair and that she will help him properly revise the protocol.

Dr. Arbogast moved that the protocol be returned to Dr. Sasidharannair for revision of Part F and subsequently returned to the full committee for consideration. Dr. Perry seconded the motion.

Total Voting = 11 Vote: For = 11 Opposed = 0 Abstained = 0

Sasidharannair 22-001 *Rumen Cannulation of Beef and Dairy Heifers for in vitro and Metabolism Studies at the Beef Cattle Center of Southern Illinois University, Carbondale*

Discussion

Dr. Jones suggested that all the information regarding the cannulation surgery in the cows should be listed in the surgery protocol only, not detailed in Part F. The dairy cow should be included and the title should reflect that. Dr. Jones stated that she can help him properly revise the protocol.

Dr. Lovvorn moved that the protocol be returned to Dr. Sasidharannair for revision of Part F and subsequently returned to the full committee for consideration. Dr. Ruffing seconded the motion.

Total Voting = 11 Vote: For = 11 Opposed = 0 Abstained = 0

Kwasek 22-009 *First Feed for Largemouth Bass (*Micropterus salmoides*) Larvae*

Discussion

The protocol calls for brine shrimp to be used as live feed, and refers to the IACUC policy 560, Policy on Live Animals Used as Feed Sources. That policy includes the requirement that the PI file an SOP for husbandry of the feed source animals, so Dr. Kwasek should develop and submit an SOP. It was noted that although MS222 is pharmaceutical grade, it must be buffered and diluted prior to use, so it becomes non-pharmaceutical, and the table in Part H should reflect that. The doses of MS222 used should agree in Part H and Part N.

Ms. Gersbacher moved that the protocol be amended to respond to the committee's discussion above, and subsequently sent to designated member review. Dr. Harris seconded the motion.

Total Voting = 11 Vote: For = 11 Opposed = 0 Abstained = 0

(Dr. Lovvorn leaves the meeting.)

Konjufca Amendment to 21-025 *Bacterial Pathogenesis and Development of Mucosal Vaccines for Inducing Immunity in the Female Reproductive Tract*

Discussion

Dr. Konjufca joined the meeting to explain her amendment request. After some confusion, it was determined that one amendment request for the use of FTY720 had been reviewed in the January meeting and should have gone to designated member review. That amendment now includes an SOP for safe handling of FTY720. We discussed that amendment again briefly. The new amendment for consideration today requested the addition of treatment of animals to cause depletion of antibodies and B cells and the subsequent movement of *Chlamydia* in the female reproductive tract. The committee requested clarification of animal numbers for each amendment.

Following Dr. Konjufca's exit from the meeting, Ms. Gersbacher moved that both amendments and the SOP be returned for clarification of animal numbers, and that the replies be subsequently sent to designated member review. Dr. Perry seconded the motion.

Total Voting = 10 Vote: For = 10 Opposed = 0 Abstained = 0

OTHER BUSINESS

AAALAC Accreditation: Dr. Ruffing reported that the inspector for AAALAC informed her unofficially that the AAALAC Council had approved the program recommendations, and that we should expect to receive full accreditation from the Council by notice sometime in March 2022.

Semi-annual facilities inspections and program review required by OLAW will be conducted the week of March 21, 2022. The ORC office will send a poll to determine committee member availability to conduct inspections that week.

Corrective action plan for **Konjufca** 21-025 *Bacterial Pathogenesis and Development of Mucosal Vaccines for Inducing Immunity in the Female Reproductive Tract*

The committee reviewed the suggested corrective action plan to deal with the off-protocol administration of the drug FTY720 noted at the January meeting. The committee had no additions to the plan, and it will be sent to the PI.

The meeting was adjourned at 4:15 pm.